See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-F-0002 CUSTOMER NO.

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)

U.S.ARMY RESEARCH INSTITUTE OF ENVIRONMENTAL MEDICINE 15 KANSAS STREET, BLDG 42 NATICK, MA 01760

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

U.S. ARMY RESEARCH INSTITUTE OF MEDICINE
NATICK, MA 01760

A. Animals Covered By The Animal Welfare Regulations	Number of animals being bred, conditioned, or held for use in teaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	purposes.	relieving drugs.	used.	must be attached to this report)	
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs		2			2
12. Other Farm Animals					
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, pnor to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive	Officer or Legally Responsible Institutional official)	
I certify that the	above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
John P. Obusek, Col, Commander, USA	John P. Obusek, Col., Commander, USA	12/12/2002

See attached form for additional information

Interagency Report Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-F-0010

CUSTOMER NUMBER: 645

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

National Marine Fisheries Service Aquarium 166 Water Street

Woods Hole, MA 02543

Telephone: (999) -999-9999

508 495-2229 508 495-2267

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER (CONTROL OF RESEAR	CH FACILITY (Attach additiona	Il sheets if necessarv or use APHIS Form 7023A \	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, expenments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
Harbor seal			O	O	: [

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

		Y HEADQUARTERS RESEARCH FACILITY OFFICIAL Officer or Legally Responsible Institutional Official)	
STONATURE OF C.E.O. OF INSTITUTIONS OFFICIAL	M	NAME & TITLE OF CLEOOR INSTITUTIONAL DEFICIAL (Type or Print Charles Ruger Williams) Veternary Medical (The Cer	DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

Tins report is required by law (7 USC 2143). Failure to report according to the regulations can

See attached form for additional information

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0003

CUSTOMER NUMBER: 100

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Dana-Farber Cancer Institute 44 Binney St One Jimmy Fund Way

Boston, MA 02115

Telephone: (617) -632-3488

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A.	В. м	Number of	С	Number of	D.	Number of animals	F	Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	a b c h te te	number of initial being - initials being - initials being - initial being - in	-	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.		experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a		Number of animals upon which teaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	TOTAL NUME OF ANIMAL (COLUMN C + D + E
4. Dogs					1				
5. Cats									
6. Guinea Pigs		0		76					76
7. Hamsters									
8. Rabbits									
9. Non-human Primate							\prod		
0. Sheep									
1. Pigs									
2. Other Farm Animals								7	
3. Other Animals									
Mice	7	500		5 3346		11250		0	· 64596
Rats	2			156		312		0	468
Frog	2	19		204					156

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

Faye C. Austin, Ph.D., Sr.VP for Research

12/12/02

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0003

Customer Number:

100

Facility:

DANA-FARBER CANCER INSTITUTE

44 BINNEY ST

ONE JIMMY FUND WAY BOSTON, MA 02115 (617) 632-3488

ANIMAL RESOURCES FACILITY 44 BINNEY ST SMITH RESEARCH BLDG, RM 1170 BOSTON, MA 02215

MD ANDERSON CANCER CENTER DEPT. OF VETERINARY SERVICES BASTROP, TX .

TULANE REGIONAL PRIMATE CENTER 18073 THREE RIVERS ROAD COVINGTON, LA 70433

MILLBROOK/IMMUNOSERV P.O. BOX 513 AMHERST, MA 01004

Taconic, Inc. 273 Hover Ave. Germantown, NY 12526-5320

Charles River Laboratories 251 Ballardvale St. Wilmington, MA01887

See attached form DCT 03 2002 Control

additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0004

CUSTOMER NUMBER: 101

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Pine Acres Rabbitry/Farm 299 E. Main Street Norton, MA 02766

Telephone: (508) -285-7391

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBEF OF ANIMALS (COLUMNS
4. Dogs	36	赛 -	416	_	416
5. Cats	-	-	_		_
6. Guinea Pigs	_	_	8		8
7. Hamsters	_	_		_	_
8. Rabbits	197	-	1484	_	1484
9. Non-human Primate	_	_		_	_
0. Sheep	16	_	23	_	23
1. Pigs	47	_	148	-	148
2. Other Farm Animals					
3. Other Animais					
4)`CF	17	_	2943	_	2943
RAIS	3		1116	_	1116

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	ON BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
alas Plast	ALAN PLATT CEO	9.26.02

UNITED STATES DEPARTMENT OF AGRICULTURE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

result in an order to cease and desist and to be subject to penalties as provided for in Section 2150.

See reverse side for

Interagency Report Control No.

additional information.

REGISTRATION NO. 14-R-0006

0180-DOA-AN FORM APPROVED

NOV 29 2002

FORM APPROVED OMB NO. 0579-0036

CUSTOMER NO.

102

2. PRIMEDICA CORPORATION
Div. of Charles River Laboratories, Inc.
57 Union Street

Worcester, MA 01608

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites) - See Attached Listing

Report for Oct 1, 2001 -Oct 31, 2001

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cots. C + D + E)
4. Dogs			34		34
5. Cats					
6. Guinea Pigs					
7. Hamsters			202		202
8. Rabbits					
9. Non-Human Primates		9	36	·	45
10. Sheep					
11. Pigs			44		44
12. Other Farm Animals					
13. Other Animals					
					•

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

Dennis R. Shaughnessy

Sr. V.P. Corporate Development/General Counsel & Secretary

DATE SIGNED

APHIS FORM 7023 (AUG 91) Replaces V& FORM 18-23 (Oct 88), which is obsolete

PART 1 -HEADQUARTERS

Dans 1 of 1

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This report is required by law (7 USC 2143). Failure to report according to the regulations can

See attached form for additional information



UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0009

CUSTOMER NUMBER: 105

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Boston University Medical School 715 Albany Street, W-707 Boston, MA 02118

Telephone: (617) -638-4089

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)						
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)	
4. Dogs	Ø	Ø	Ø	Ø	Ø	
5. Cats	Ø	Ø	28	Ø	28	
6. Guinea Pigs	Ø	2	Ø	Ø	2	
7. Hamsters	Ø	Ø	119	Ø	119	
8. Rabbits	Ø	110	135	ϕ	245	
9. Non-human Primate	14	2	57	Ø	73	
10. Sheep	Ø	Ø	Ø	Ø	Ø	
11. Pigs	Ø	ϕ	72	Ø	72	
12. Other Farm Animals	Ø	Ø	Ø	Ø	Ø	
13. Other Animals						
chinchillas	Ø	Ø	236	Ø	236	
chinchillas ferrets	Ø	2	Ø	Ø	2	
	•					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	DQUARTERS RESEARCH FACILITY OFFICIAL or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
Aran Choleman	Aram V. Chobanian, MD Dean and Provost Boston University Medical Campur	11-26-02

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.

2336

NOV 2 6 2002

Interagency Report Control No.:

This report is required by law (7 USC 2143). Failure to report according to the regulations can

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

additional information

1. CERTIFICATE NUMBER: 14-R-0010 UNITED STATES DEPARTMENT OF AGRICULTURE

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Schepens Eye Research Institute, The 20 Staniford Street Boston, MA 02114

Telephone: (617) -912-0100

CUSTOMER NUMBER: 106

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	26	0	0	26
7. Hamsters	0 ·	0	0	0	0
8. Rabbits	1	131	89	0	220
9. Non-human Primate	0	0	2	0	2
0. Sheep	0	0	0	0	0
1. Pigs	0	0	0	0	o
2. Other Farm Animals	0	0	0	0	o
3. Other Animals					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2). Each principal investigator has considered alternatives to painful procedures.

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

J. Wayne Streilein, MD President

DATE SIGNED 11/25/02

(G 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0010

Customer Number:

106

Facility:

SCHEPENS EYE RESEARCH INSTITUTE, THE

20 STANIFORD STREET BOSTON, MA 02114

(617) 742-3140 912-0100

SCHEPENS EYE RESEARCH INSTITUTE, THE 20 STANIFORD STREET BOSTON, MA 02114

This report is required by law (7 USC 2143). Failure to report according to the regulations ∙an

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT) 1) Center for Biomedical Research Building 1. CERTIFICATE NUMBER: 14-R-0013

CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

St. Elizabeth'S Medical Center Of Boston

736 Cambridge Street Boston, MA 02135

NOV 2 1 2002

Telephone: (617) -789-5050

(617) 789-3189

720 Cambridge St., Boston, MA 02135

2) Pine Acres Rabbitry/Farm 299 E. Main St., Norton, MA 02766

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	59	0	59
9. Non-human Primate	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	34	0	34
12. Other Farm Animals	0	0	0	0	0
13. Other Animals					
Rats	25	0	1,132	0	1,132
Mice	1,450	0	1,600	0	1,600

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print John D. Burke, Vice President of Research

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTRUTIONAL OFFICE

Institutional Official

APHIS FORM 7023

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0016

CUSTOMER NUMBER: 110

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

L C F Foundation, Inc. Lahey Medical Center 41 Mall Road Burlington, MA 01805

Telephone x 17/8/1 x 7/4/4 x 3/7/1 3

781) 744-1439

9/-

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

0		L	reasons such drugs were not used must be attached to	C+D+E)
	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	20	0	20
0	0	6	0	6
0	0	0	0	0

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

David M. Barrett, M.D.

11/6/62

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.

3. Reporting Facility

Lahey Medical Center Research Laboratory 41 Mall Road Burlington, MA 01805

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Interagency Report Contro

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0017 CUSTOMER NUMBER: 112

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Mailing addresss **Boston University** Charles River Campus 5 Cummington Street Boston, MA 02215

Physical Address Boston UNiv. Charles River Campus 590 Commonwealth Ave. Boston, MA 02215

Telephone: (617) -353-2463

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Alached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					
5. Cats					
8. Guinea Pigs	1	10			10
7. Hamsters	0	98			98
8. Rabbits	·				
9. Non-human Primate			·		
10. Sheep					
11. Pigs	·				
12. Other Farm Animats					
13. Other Animals					
gerbils	6	12		1	12
ferrets	4		33		33

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestatic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

Dennis Berkey/Provost

12/11/02

APHIS FORM 7023

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

(Replaces VS FORM 18-23-(9CT 88), which is obsolete.

(AUG 91)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0018

CUSTOMER NUMBER: 114

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Massachusetts Institute Of Technology Office Of Sponsored Programs 77 Massachusetts Avenue Cambridge, MA 02139

Telephone: (617) -253-2492

NOV 2 1 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Alached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not ye	C. Number of animals upon which leaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which leaching, experiments, research, surgery or lests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats		. 0	15		15
6. Guinea Pigs		3	3		6
7. Hamsters		41	0		41
8. Rabbits		11	279	7	290
9. Non-human Primate		0	67		67
10. Sheep		0	6		6
11. Pigs		0	23		23
2. Other Farm Animals					
3. Other Animals				-	
Ferrets		0	78		. 78

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a bnef explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

PATRICIA K. GREER

ASSUCIATE DIRECTOR

OFFICE OF SPONSORED PROGRAMS

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

(AUG 91)

1420018

Address of research buildings on the MIT Campus where animals are housed.

- 1. Building 56, 8th floor 20 Ames Street Cambridge, MA 02139
- Building 68, Sub-basement
 Ames Street
 Cambridge, MA 02139
- 3. Building E17/18, 6th floor 400 Ames Street Cambridge, MA 02139
- 4. Building E25, basement 400 Ames Street Cambridge, MA 02139

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 14-R-0019

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

Harvard Medical School Ctr. for Animal Resources & Comparative Medicine 665 Huntington Avenue

Boston, MA 02115 Status: Active

ORIGINAL

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See attached.

See attached.

			000 =======			
REPORT OF ANIMALS USED	BY OR UNDER CON	TROL OF RESEARC	H FACILITY (Attach additional st	neets if necessary or use APHIS FORM 7023A.)		
A. Animals Covered By The Animal Welfare Regulations 12. &/OR 13. Other (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic. or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)	
4. Dogs	0	0	151	0	151	
5. Cats	0	0	128	0	128	
6. Guinea Pigs	0	1	42	0	43	
7. Hamsters	0	248	540	0	788	
8. Rabbits	0	64	1160	0	1224	
9. Non-human Primates	1734	22	781	0	803	
10. Sheep	0	0	479	0	479	
11. Pigs	0	0	2223	0	2223	
12. Other Farm Animals						
- Chicken -	0	705	0	0	705	
Goat	0	0	1	0	1	
13. Other Animals	-					
Gerbil	0	40	0	0	40	
Ferrets	0	0	72	0	72	
Birds (wild eaught)	0	16	0	0	16	
Degus	0	0	39	0	39	
Mice (deer)	0	109	0	0	109	
ASSURANCE STATEMENTS						

Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

Each principal investigator has considered alternatives to painful procedures.

This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

Eric P. Buehrens **Executive Dean for Administration** Harvard Medical School

11/25/02

FACILITY SITES LISTING

Licensee/Registrant Name:

Harvard Medical School

Center for Animal Resources & Comparative Medicine

License/Registration Number:

1

14-R-019

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

Name/Department:

Center for Animal Resources

& Comparative Medicine (ARCM)

Address:

Boston MA 02115

(a) Building(s): ARCM/Central - HSPH/Bldgs. I&II

665 Huntington Avenue

Floor/Room:

Ground and Basement Levels

Contact Person:

Phone Number:

(b)

(c)

(d)

Building(s):

ARCM/Seeley G. Mudd Building and Harvard

Center for Minimally Invasive Surgery

250 Longwood Avenue

Lower Level

Floor/Room:

Contact Person:

Phone Number:

Contact Person:

Building(s):

Phone Number:

ARCM/Warren Alpert Building

200 Longwood Avenue

Lower Level Floor/Room:

Contact Person:

Phone Number:

ARCM/Harvard Institutes of Medicine

77 Avenue Louis Pasteur

Floor/Room:

Building:

Contact Person:

Phone Number:

Lower Level

Site No.:

17

Name/Department:

New England Regional Primate Research Center

One Pine Hill Drive

Southboro, MA 01772

Building(s):

Address:

Main Building and Three Out Buildings

Floor/Room:

Contact Person:

Phone Number:

Basement and Ground Floors

FACILITY SITES LISTING

Licensee/Registrant Name:

Harvard Medical School

Center for Animal Resources & Comparative Medicine

License/Registration Number:

14-R-019

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

18

Name/Department:

USDA Registration No.:

Address:

Building: Floor/Room:

Contact Person: Phone Number:

ARCM/Thorn (satellite)

14-R-092

20 Shattuck Street, Boston MA 02115

Thorn Building

15th Floor

Site No.:

21

Name/Department:

Pine Acres Rabbitry/Farm (satellite - swine/dog housing

only)

USDA Registration No:

Address: Building: Floor/Room:

Contact Person: Phone Number: 14-B-52

299 East Main Street, Norton MA 02766

Main Building

First Floor

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0021

CUSTOMER NO 118

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA. include Zip Code)

NORTHEASTERN UNIVERSITY DIV. OF LABORATORY ANIMAL MEDICINE 21 MUGAR LIFE SCIENCES BLDG, 360 HUNTINGTON AVE BOSTON, MA 02115-5000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

sheets if necessary.)

FACILITY LOCATIONS(sites)

NORTHEASTERN UNIVERSITY BOSTON, MA 02115

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		12	830		842
8. Rabbits		7	22		29
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals		·		· ·	
13. Other Animals					
Wild Rodents		41			41

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility
- 2) Each principal investigator has considered atternatives to painful procedures
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY	HEADQUARTERS RESEARCH FACILITY OFFICIAL					
(Chief Executive C	fficer or Legally Responsible Institutional official)					
I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
Ronald D. Hedlund, Ph.D., Institutional Official	Ronald D. Hedlund, Ph.D., Institutional Official, Vice Provost-Rsch/GrEd	10/08/2002				

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

APHIS Form 7023 Additional Reported Sites

The following additional sites have been reported by the facility. The reported sites have not been verified by APHIS and have been provided by the facility solely for completeness of the APHIS Form 7023 Annual Reporting submission.

Registration Number:

14-R-0021

Customer Number:

118

Facility:

NORTHEASTERN UNIVERSITY

DIV. OF LABORATORY ANIMAL MEDICINE

21 MUGAR LIFE SCIENCES BLDG, 360 HUNTINGTON AVE

BOSTON, MA 02115-5000

Northeastern University 360 Huntington Avenue Nightingale Hall, 3rd Floor Boston, Mass. 02115 Northeastern University 360 Huntington Avenue Richards Hall, 4th Floor Boston, Mass. 02115

Interagency Report Control

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0022

CUSTOMER NUMBER: 119

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Massachusetts Eye & Ear Infirmary 243 Charles Street Boston, MA 02114

Telephone: (617) -573-3178

DEC 16 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0		0		0
5. Cats	36		36		36
6. Guinea Pigs	140		140		140
7. Hamsters	0		0		0
8. Rabbits	254		254		254
9. Non-human Primate	29		29		29
10. Sheep	0		0		0
11. Pigs	0		0		0
12. Other Farm Animals	0		0		0
Chinchillas	22		22		22
13. Other Animals					
					r r

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OF	FICIAL
(Chief Executive Officer or Legally Responsible Institutional Officia	()

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Institutional Official Elayn G. Byron, Director, Research Admin.

VS FORM 18-23 (OCT 88), which is obsolete.

200 See attached form for additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0025

CUSTOMER NUMBER: 121

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Holyoke Community College Veterinary & Animal Science 303 Homestead Avenue Holyoke, MA 01040

Telephone: (413) -538-7000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Holyoke Community College Kennel & MRB Building FACILITY LOCATIONS (Sites) - See Atlached Listing

A. Animals Covered By The Animal Welfare Regulations	B.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the	F. TOTAL NUMBE OF ANIMALS (COLUMN C + D + E
		surgery but not y€		use of pain- relieving drugs.		appropriate anesthetic, a	_	reasons such drugs were not used must be attached to	
4. Dogs	1			5		4			9
5. Ca;				3		6			9
6. Guinea Pigs				4					4
7. Hamsters				O					0
8. Rabbits				6					6
9. Non-human Primate									
10. Sheep									
11. Pigs							L		
12. Other Farm Animals					<u> </u>		+		
13. Other Animals							\perp		
Gerbils	<u> </u>			3			+		3
	-		\vdash		-		+		

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

David M. Bartley, President

DATE SIGNED

APHIS FORM 7523

O. OR INSTITUTIONAL OFFICIAL

SIGNATURE

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0029

CUSTOMER NUMBER: 125

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

New England Aquarium 177 Milk Street Boston, MA 02110

Telephone: (617) -973-5200

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Marine Mammal Department - Discovery Ship

Animal Care Center

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E)
4. Dogs		relieving drugs.			
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
0. Sheep					
1. Pigs					
12. Other Farm Animals					
3. Other Animals		1			
Ifornia	4	2	0	0	. 2
lions Ifornia	2	2	0	0	2
otters bor seals	7	2	0	0	2

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS	S RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Re-	sponsible institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

Edmund C. Toomey, President & IACUC Institutional Official

DATE SIGNED

10/23/d

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.



Brandeis University

NOV 1 : 2002

Office of Sponsored Programs

Mailstop 116 P.O. Box 549110 02454-9110

781-736-2121 781-736-2123 Fax Waltham, Massachusetts 781-736-3009 TTY/TDD

November 4, 2002

Elizabeth Goldentyer, D.V.M.

Regional Director - Animal Care Eastern Region 920 Main Campus Drive Suite 200 Unit 3040 Raleigh, NC 27606-5213

Re Annual Report – Brandeis University

Registration No: 14-R-0030

Dear Dr. Goldentyer:

Enclosed you will find two copies of the above referenced report signed on behalf of Brandeis University by Mel Bernstein, Ph.D., Provost, in accordance with the Animal Welfare Act.

If you have any questions regarding our report, please contact this office at 781-736-2119.

Sincerely,



Enc. APHIS Form 7023

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0030 CUSTOMER NUMBER: 126

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Brandeis University

Brandeis University Office Of Sponsored Programs Grant, Contract & Patent Admin P.O. Box 9110 Mail Stop 116 Waltham, MA 02254

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, expenments, research, or surgery but not y€	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					0
5. Cats					0
6. Guinea Pigs					0
7. Hamsters	260	48	0		48
8. Rabbits	0	11	0		11
9. Non-human Primate					0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals					0
13. Other Animals					
Gerbils	0	117	0		117
Gray Squirr	els O	0	55		55

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED			
Mal Dimo A	Mel Bernstein, Ph.D., Provost	11/4/0			

OCT 28 2002 See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0031

CUSTOMER NUMBER: 127

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Acambis, Inc. 38 Sidney Street Cambridge, MA 02139

Telephone: (617) -494-1339

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)							
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, expenments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)		
4. Dogs							
5. Cats							
6. Guinea Pigs							
7. Hamsters							
8. Rabbits			28		28		
9. Non-human Primate							
10. Sheep							
11. Pigs							
12. Other Farm Animals							
13. Other Animals							
					, r		

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OR INSPITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print GORDON CAMERON PRESIDENT AND CFO	DATE SIGNED			

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0031

Customer Number:

127

Facility:

ACAMBIS, INC. 38 SIDNEY STREET CAMBRIDGE, MA 02139

(617) 494-1339

ACAMBIS, INC. 38 SIDNEY STREET CAMBRIDGE, MA 02139 UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0032

FORM APPROVED OMB NO. 0579-0036

CUSTOMER NUMBER: 514

Shriners Burns Institute Shriners Hospitals For Children 51 Blossom Street Boston, MA 02114

Telephone: (617) -371-4900

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)							
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)		
4. Dogs							
5. Cats							
6. Guinea Pigs							
7. Hamsters							
8. Rabbits			71		71		
9. Non-human Primate							
10. Sheep			10		10		
11. Pigs							
12. Other Farm Animals							
13. Other Animals							
					1		

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED			
\mathcal{D}_1 , \mathcal{D}_2	Robert E. Bories, Jr., FACHE				
Robert 7, Borres Ls.	Administrator	12 Nov 02			

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

This report is required by law (7 USC 2143). Failure to report according to the regulations can

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0036

CUSTOMER NUMBER: 515

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

University Of Massachusetts At Amherst Animal Care Office 512 Goodell Building

Amherst, MA 01003

Telephone: (413) -545-0668

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBEF OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters , Syrian	148	131	632	0	763
8. Rabbits	15	5	61	0	66
9. Non-human Primate	0	7	0	0	7
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals					
Horse	8	0	1	0	1
13. Other Animals					
amsters,siberi	an 214	94	262	0	·* 356
Cattle	0	24	0	0	24
Gerbil	17	. 0	91	0	91

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF Q.E.O. OR INSTITUTIONAL OFFICIAL

John V. Lombardi
Chancellor, UMass-Amherst

APHIS FORM 702

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150

reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code)

REPORT OF ANIMALS USED BY OF	UNDER CONTROL OF	RESEARCH FACILITY	(Attach adjuttional sheets if nei	Cassary or use this form)	
A. Animals Covered By The Animal Welfare Regulations 12. &/OR 13. Other (Ust by species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cois. C + D + E)
Tropical Hare	0	1	0	0	1
Mongolian Gazelle	0	39	0	0	39
Opossums	0	50	0	0 -	50
Star Nosed Moles	0	4	0	0	4
Beaver	0	28	0	0	28
Whitetail Deer	0	17	0	0	17
Prairie Vole	340	447	204	0	651
Pine Vole	0	27	0	0	27
Meadow Vole	0	2	0	0	2
Deer Mouse	0	6	0	0	6
Short Tailed Shrew	0	5	0	0	5
				*	

1). Professionally acceptable standards governing the care, treatment, and use of animals, including approxiate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

- 2). Each principal investigator has considered alternatives to painful procedures.
- 3). This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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Billing Care and Cac						
CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)						
SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
\bigcirc 1 \bigcirc 1 \bigcirc 1	John V. Lombardi					
~ 114.0 a 1.1	Chancellor, UMass-Amherst	14/2//2				

ASSURANCE STATEMENTS

Facility locations for Item #3:

Animal Care facilities:

Central Animal Care
Tobin Hall
Bartlett Hall
Morrill Science 2 South
Morrill Science 4 North
Thayer Laboratory
Hadley Livestock Facility
South Deerfield Facility

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0038

CUSTOMER NUMBER: 132

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Williams College P.O. Box 666

Williamstown, MA 01267

NOV 2 1 2002

Telephone: (413) -597-4352

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Morley Science Laboratories

FACILITY LOCATIONS (Sites) - See Atached Listing U1267 31 Morley Drive, Williamstown, MA

A.	B.	Number of -	C.	Number of	D.	Number of animals	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations		animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye		animals upon which teaching, research, expenments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.		upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquillizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs								0
5. Cats							·	0
6. Guinea Pigs								0
7. Harnsters								0
8. Rabbits								0
9. Non-human Primate								0
10. Sheep								0
11. Pigs				· · · · · · · · · · · · · · · · · · ·				0
12. Other Farm Animals						·		0
3. Other Animals			-	1				0
								r r
				<u> </u>				

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED			
CT BJZW	Catharine B. Hill, Provost	11/19/0			

This report is required by law (7 USC 2143). Failure to report according to the regulations can

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0041

CUSTOMER NUMBER: 133

FORM APPROVED OMB NO. 0579-C036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Becker College 61 Sever Street Worcester, MA 01609

Telephone: (508) -791-9241

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Becker College, Lentest Animal Health Building

955 Main Street, Leicester, MA FACILITY LOCATIONS (Sites) - See Atached Listing

955 Main Street, Leicester, MA $_{
m O1524}$

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or heid for use in teaching, testing, expenments, research, or surgery but not ye	C. Number of animals upon which teaching, research, expenients, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which expenments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anestheuc, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	2	6	18		26
5. Cats	0	0	12		12
6. Guinea Pigs	0	20	0		20
7. Hamsters	0	0	0		0
8. Rabbits	0	0	6		6
9. Non-human Primate	0	0	0		0
10. Sheep	0	0	0		0
11. Pigs	0	0	0		0
12. Other Farm Animals	0	0	0		0
13. Other Animals	0	0	0		0

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OPFICIAL

Franklin M. Loew, DVM, Ph.D., President

See attached form for additional information Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0042

CUSTOMER NUMBER: 122

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FA

Cytogen Research & Development, Inc.

89 Bellevue Hill Road West Roxbury, MA 02132

Telephone: (617) -325-7774

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)								
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, expeniments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)				
4. Dogs									
5. Cats									
6. Guinea Pigs									
7. Hamsters	195	15	8	. 0	218				
8. Rabbits									
9. Non-human Primate									
10. Sheep									
11. Pigs									
12. Other Farm Animals									
13. Other Animals									
					·				

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

George Yerganian, PH.D.

DATE SIGNED 11/7/0

APHIS FORM 7023

RM 18-23 (OCT 88), which is obsolete.



See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0047

CUSTOMER NUMBER: 455

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Ariad Pharmaceuticals, Inc. 26 Landsdowne Street Cambridge, MA 02139

Telephone: (617) -494-0400

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

26 Landsdowne St. Cambridge, MA 02139

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	8.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E
4. Dogs			l						0
5. Cats									0
6. Guinea Pigs				2					2
7. Hamsters									0
8. Rabbits				6			T	•	6
9. Non-human Primate									0
10. Sheep									0
11. Pigs									0
12. Other Farm Animals									0
13. Other Animals									0
									,

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	utive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print John D. Iuliucci, Ph.D., SVP, Drug Development 1	

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0050 CUSTOMER NO. 135

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

 ROSTON COLLEGE

BOSTON COLLEGE
OFFICE OF SPONSORED PROGRAMS
SERVICE BUILDING, SECOND FLOOR
CHESTNUT HILL, MA 02467

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

BOSTON COLLEGE
CHESTNUT HILL, MA 02467

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO OF ANIMAL (Cols. C+ D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		· · · · · · · · · · · · · · · · · · ·			
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				·	

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
John M. Carfora	John M. Carfora, Director, Office for Sponsored Programs	11/27/2002				

This report is required by law (7 USC 2143). Failure to report according to the regulations

See attached form for additional information Interagency Report Corprol No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0052

CUSTOMER NUMBER: 469

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Biogen, Inc. 14 Cambridge Center Cambridge, MA 02142

Telephone: (617) -679-2754 914-7016

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, expenments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS	
4. Dogs	0	0	0	0	0	
5. Cats	0	0	0	0	0	
6. Guinea Pigs	0	0	0	0	0	
7. Hamsters	0	0	0	0	0	
8. Rabbits	0	0	0	0	0	
9. Non-human Primate	0	0	0	0	0	
10. Sheep	0	0	0	0	0	
11. Pigs	0	0	0	0	0	
12. Other Farm Animals	0	0	0	0	0	
13. Other Animals	0	0	0	0	0	

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

10/24/01

DATE SIGNED

Michael Gilman, HH.D, Senior Vice President, Research

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIA

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0052

Customer Number:

469

Facility:

Biogen, Inc.

14 Cambridge Center Cambridge, MA 02142

Building Bio 6 Building Bio 8

See reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14-R-0056

CUSTOMER NO. 475

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USQA,

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) EPIX MEDICAL, INC.

71 ROGERS STREET CAMBRIDGE, MA 02142 (617) 499-1400

DEC 1 0 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

See Attached Listing

EPIX MEDICAL - Animal Facility &

Pharmacology REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	' (Attach additional sheets if neces	ssary or use APHIS FORM 7023A)	:
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cois. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	6	0	6
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	168	0	168
9. Non-Human Primates	0	0	0	0	0,
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
					;
ASSURANCE STATEMENTS					

¹⁾ Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

CERTIFICATION B	Y HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive	Officer or Legally Responsible Institutional official)	
I certify that the a	bove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
ac P. O. A	Alan P. Carpenter Executive Vice President	12/09/02

²⁾ Each principal investigator has considered alternatives to painful procedures.

³⁾ This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

⁴⁾ The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0061

CUSTOMER NUMBER: 136

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Smith College Clark Science Center/Smith College Northampton, MA 01063

Telephone: (413) -585-3959

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

Site listed above.

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, expenments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters		89	23		112
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals				1	
Ferrets		2	19		,21
Deer Mice			236		236
ite Footed Mic	e		91		91

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	FICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL f Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Charles P. Staelin Dean for Academic Development	DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

(AUG 91)



November 12, 2002

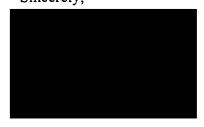
Clark Science Center
College Lane
Smith College
Northampton, Massachusetts 01063
T (413) 585-3804
F (413) 585-3786

Elizabeth Goldentyer, D.V. M. Eastern Regional Office USDA/APHIS/Animal Care 920 Main Campus Drive, Suite 200 Raleigh, NC 27606-5213

Dear Dr. Goldentyer:

Please find the enclosed research facility annual report for Smith College. Feel free to contact me should you need any additional information.

Sincerely,



See attached form for additional information Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0062

CUSTOMER NUMBER: 534

FORM APPROVED OMB NO. 0579-0036

Robert W. Mc Allister Millbrook Immunosery ANNUAL REPORT OF RESEARCH FACILITY P.O. Box 513

Amherst, MA 01004

Telephone: (413) -253-5083

OCT 28 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs		Tonething Grugo.			
5. Cats	<u> </u>				
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	450	25	250		275
9. Non-human Primate	7.7				
10. Sheep					
11. Pigs	0	0	0		0
12. Other Farm Animals					
Goats	52	32			3.2
3. Other Animals					32
10 10 10 10 10 10 10 10 10 10 10 10 10 1					,

en e					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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GERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL hief Executive Officer or Legally Responsible Institutional Official) NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print DATE SIGNED 10/25/02 Robert W. McAllister, CEO (owner)

FORM 7023 (AUG 91)

FORM 18-23 (OCT 88), which is obsolete.

MILLBROOK IMMUNOSERV #14-R-0062

3. REPORTING FACILITY LOCATIONS

Rabbit Research Facility (RRF)

Rabbit Breeding Facility 1 (RBF1)

Rabbit Breeding Facility 2 (RBF2)

Research Goat Facility (RGF)

Research Pig Facility (RPF)

2002 See attached form for additional information

Interagency Report Control No.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0064

CUSTOMER NUMBER: 717

FCRM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Geltex Pharmaceuticals, Inc. 153 Second Ave Waltham, MA 02451

Telephone: (617) -290-5888

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits		64	0	O	64
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

SR. UP & GENERAL HANAGER

DATE SIGNED

See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0066

CUSTOMER NUMBER: 721

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Embryotech Laboratories, Inc. 323 Andover Street Wilmington, MA 01887

Telephone: (978) -658-4600

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters	161	623			623
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					:

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

C	ERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
	(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O., OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (T) Re or Print

DATE SIGNED

> MP

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

APHIS FORM 7023 (AUG 9)) This report is required by law (7 USC 2143). Failure to report according to the regulations _DEC 09 2002 See attached form for can

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0068 CUSTOMER NUMBER: 137

additional information

FORM APPROVED OMB NO. 0579-0036

Worcester Polytechnic Institute

100 Institute Road Worcester, MA 01609

Telephone: (508) -831-5000

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

WPI Animal Facility, SL 313-319

	1		Τ.						12
A. Animals Covered By The Animal Welfare Regulations	8.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E	 Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to 	F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E)
4. Dogs									
5. Cats									
6. Guinea Pigs									
7. Haпisters									
8. Rabbits									
9. Non-human Primate									
10. Sheep				•					
11. Pigs									
12. Other Farm Animals							-		
13. Other Animals									
Rats			<u> </u>			178			178
Mice						62			62

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)									
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED							
William W) Durcon,	William W. Durgin, Assoc. Provost for								

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88) which is obsolete.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE OCT 07 2002

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0071

CUSTOMER NUMBER: 128

FORM APPROVED OMB NO. 0579-0036

Joslin Diabetes Center, Inc. Elliott P. Joslin Research Lab One Joslin Place

Telephone: (617) -732-2474

Boston, MA 02215

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Islet Transplantation and

FACILITY LOCATIONS (Sites) - See Atached Listing

Cell Biology Section

Α.	P	Number of	C.	Number of	n	Number of animals	F	Number of animals upon which teaching,	F.
A. Animals Covered By The Animal Welfare Regulations		Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye		Number or animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.		Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a		Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	TOTAL NUM OF ANIMA (COLUM C + D +
4. Dogs			1		_				
5. Cats									
6. Guinea Pigs									
7. Hamsters							T		
8. Rabbits									
9. Non-human Primate									
10. Sheep									
11. Pigs			!	4					
12. Other Farm Animals							<u></u>		
13. Other Animals	_		<u></u>				+		
	 		—		-		+		.·
	 	1			 		\top		
			 	I	+		+		

ASSURANCE STATEMENTS

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	TION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ecutive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Jackie Solberg, Director	DATE SIGNED
ache Silver	Office of Sponsored Research	10/3/02

See attached form for additional information Interagency Report Cor

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0074

CUSTOMER NUMBER: 756

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Gte Biotherapeutics-

GTC Biotherapeutics One-Mountain Road 175 Crossing Boulevard Framingham, MA 01702

Telephone: (508) -661-8003

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Goats	984		1053		1053
13. Other Animals					
					, 5

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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ρ		ATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL RECUtive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INS	ATUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Geoffrey Cox, Ph.D. Chairman, President and CEO	DATE SIGNED 10-51-200 Z

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0074

Customer Number:

756

Facility:

GENZYME TRANSGENICS CORPORATION

GAGRANATAUOM-BAG

FRAMINGHAM, MA-01701

GTC Biotherapeutics 175 Crossing Boulevard Framingham, MA 01702

LOUSIANA STATE UNIV/DEPT. OF ANIMAL SCIENCE ST GABRIEL RESEARCH STATION P O BOX 34 ST GABRIEL, LA 70776

TUFTS UNIVERSITY, SCHOOL OF VETERINARY MEICINE 200 WESTBORO RD (LAB ANIMAL MEDICINE) PEABODY PAVILLION (GOAT BARN) NORTH GRAFTON, MA 01536

GENZYME TRANSGENIGS CORPORATION

87 NEW SPENCER ROAD

PO-BOX 202

CHARLTON, MA-01507

GTC Biotherapeutics Farm

300 Charlton Road Spencer, MA 01562

TRANS OVA GENETICS GENETICS ADVANCE CNTR NORTH 2938 3080TH STREET SIOUX CITY, IA 51250

Solomont Way, Univ. of Massachusetts Lowell, Lowell, MA 01854

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

	UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE	1.	registration no. 14-R-0081	FORM APPROVED OMB NO 0579-0036
	ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)	2.	HEADQUARTERS RESEARCH FACILITY (Name of include Zip Code) University of Massachusetts Lowell Research Foundation 600 Suffolk Street – 2 nd Floor South Lowell, MA 01854	and Address, as registered with USDA.
3,	REPORTING FACILITY (List all locations where animals were housed or used sheets if necessary)	d in a	ctual research, testing, teaching, or experimentation, or	r held for these purposes. Attach additional
	Weed Hall, South Campus and Olsen Building, North C	am	ous	

FACILITY LOCATIONS (Sites)
Center for Chronic Disease Control, Room 305, Weed Hall,

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A) D. Number of animals upon Number of C. Number of E. Number of animals upon which teaching which experiments, animals being animals upon experiments, research, surgery or tests were teaching, research, which teaching. conducted involving accompanying pain or distress bred. TOTAL NO. Animals Covered conditioned, or research, surgery, or tests were to the animals and for which the use of appropriate conducted involving By The Animal held for use in experiments, or OF ANIMALS anesthetic, analgesic, or tranquilizing drugs would Welfare Regulations teaching, testing, tests were accompanying pain or have adversely affected the procedures, results, or experiments, conducted distress to the animals interpretation of the teaching, research, (Cols. C+ and for which appropriate research, or involving no experiments, surgery, or tests. (An explanation of D + E) pain, distress, or anesthetic, analgesic, or the procedures producing pain or distress in these surgery but not yet used for such use of paintranquilizing drugs were animals and the reasons such drugs were not used relieving drugs. used. must be attached to this report). purposes. Dogs Cats Guinea Pigs 1.250 1.250 7. Hamsters Rabbits 9. Non-human Primates 10. Sheep 11. Pigs Other Farm Animals 13. Other Animals

ASSURANCE STATEMENTS

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CERTIFICATION BY HE	EADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive Off	icer or Legally Responsible Institutional Official)	
I certify that the above	e is true, correct, and complete (7 U.S.C. Section 2143).	
SIGNATURE OF CLE.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
frier / itrovic	Louis J. Petrovic, Director External Funding, Technology Transfer and Partnering	12/10/02

APHIS FORM 7023/ (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete)

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0082

CUSTOMER NUMBER: 140

FORM APPROVED OMB NO. 0579-0036

Tufts- New England Medical Center, Inc. 171 Harrison Avenue, Nemc #112 Boston, MA 02111

Telephone: (617) -636-5615

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	87	. 0	87
5. Cats	0	0	4	0	4
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	2	0	0	2
8. Rabbits	0	17	176	0	193
9. Non-human Primate	0	0	0	0	0
0. Sheep	0	0	22	0	22
1. Pigs	0	0	222	0	222
2. Other Farm Animals	0	0	0	0	0
3. Other Animals	0	0	0	0	0

ASSURANCE STATEMENTS

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	TION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Margaret E. Newell, JD, MBA	DATE SIGNED
, rugauthour	Associate Provost for Research	1/26/02

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

Tufts-New England Medical Center

Location of Animal Facilities

Stearns-Arnold

Ziskind

Location of Research Laboratories

M&V

South Cove

Stearns-Arnold

Tupper

Ziskind

75 Kneeland

can

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0083

CUSTOMER NUMBER: 705

FORM APPROVED OMB NO. 0579-0036

New England College Of Optometry

424 Beacon Street Boston, MA 02115

OCT 21 2002

Telephone: (617) -236-6227

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

	ī		I The state of the	al sheets if necessarv or use APHIS Form 7023A)	-
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	-				
9. Non-human Primate	21	0	25	0	25
10. Sheep					
11. Pigs					
12. Other Farm Animals					
Chicks	0	0	166	0	166
13. Other Animals		-			
Rats	170	0	496	0	.476

ASSURANCE STATEMENTS

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	I BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ve Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
	David A. Heath Vice Resides for Academic	10/11/02

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0086

CUSTOMER NUMBER: 142

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Biotek, Inc. 21-C Olympia Avenue Woburn, MA 01801

OCT 21 2002

Telephone: (781) -938-0938

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER (CONTROL OF RESEAR	CH FACILITY (Attach additional	al sheets if necessarv or use APHIS Form 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs		<u> </u>			
5. Cats					
6. Guinea Pigs				,	
7. Hamsters					
8. Rabbits		77	92		169
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					t t

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED		
lealunge	E.S. Nuwayser, Ph.D., President	10/10/0		

This report is required by law (7 USC 2143). Failure to report according to the regulations can

additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0089

CUSTOMER NUMBER: 516

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Boston Biomedical Research Institute 64 Grove Street Watertown, MA 02472

Telephone: (617) -658-7807

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER (CONTROL OF RESEAR	CH FACILITY (Attach additional	al sheets if necessary or use APHIS Form 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits	none	1	none	none	1
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
ferrets	none	107	none	none .	: 107

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

Henry Paulus, Director

DATE SIGNED

10-15-0

This report is required by law (7 USC 2143). Failure to report according to the regulations NOV 29 2002 See attached form for additional information. can

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0090

CUSTOMER NUMBER: 134

FORM APPROVED OMB NO. 0579-0036

Mount Ida College 777 Dedham Street Newton, MA 02459

928 Telephone: (617) -989-4545

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER C	CONTROL OF RESEAR	CH FACILITY (Attach additiona	al sheets if necessary or use APHIS Form 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs			32		32
5. Cats			24		24
6. Guinea Pigs			3		3
7. Hamsters			8		8
8. Rabbits			8		8
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
<u> </u>					,
<u> </u>					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.

4) His straticital Asternation on any responding recently uses abbush	mate actionly to ended the provision of acceptate versionary care and to crosses the acceptatoy of color september.	
	TFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL ief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C. O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Carol J. Matteson, Ph.D., President	DATE SIGNED

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0090

Customer Number:

134

Facility:

MOUNT IDA COLLEGE 777 DEDHAM STREET

NEWTON, MA 02459

(617) 969-7000 (617) 928-4545

KENNEL BLDG 777 DEDHAM RD. NEWTON, MA 02159

Laboratory Animal Care Facility 777 Dedham Road Newton, MA 02459

See reverse side for additional information.

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0092 FORM APPROVED OMB NO. 0579-0036

HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

C# 144

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Brigham & Women's Hospital 75 Francis Street Boston, MA 02115 Status: Active ORIGINAL

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (sites)

See Attached Listing

See Attached Listing

REPORT OF ANIMALS USED	BY OR UNDER CON	TROL OF RESEARC	H FACILITY (Attach additional sl	heets if necessary or use APHIS FORM 7023A.)	
A. Animals Covered By The Animal Welfare Regulations :	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	5	37	0	42
5. Cats	0	0	0	0	. 0
6. Guinea Pigs	0	428	1560	0	1988
7. Hamsters	0	28	1536	0	1564
8. Rabbits	0	87	1370	0	1457
9. Non-human Primates	12	0	34	0 .	34
10. Sheep	0	0	0	0	0
11. Pigs	0	2	277	0	279
12. Other Farm Animals					
13. Other Animals					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ASSLIDANCE STATEMENTS	L			L	

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)
Legrify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.Q. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL

DATE SIGNED

Keith A. Marcotte, Vice President

Research Administration, Brigham & Women's Hospital

11/26/01

FACILITY SITES LISTING

Licensee/Registrant Name:

Brigham & Women's Hospital

License/Registration Number:

1

14-R-0092

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

Name/Department:

Center for Animal Resources & Comparative Medicine (ARCM)

ARCM/Thorn Building - 20 Shattuck Street

220 Longwood Avenue - Ground Level

at Brigham & Women's Hospital

Address:

Boston, MA 02115

(1) Building:

Floor/Room:

Contact Person:

Phone Number:

(2) Building:

Floor/Room:

Contact Person:

Phone Number:

(3) Building:

Floor/Room:

Contact Person:

Phone Number:

ARCM/Massahusetts College of Pharmacy (MCP)

ARCM/Longwood Medical Research Center (LMRC)

One Palace Road - Lower Level

20 Shattuck Street - 16th Floor

Site No.:

3 Name/Department:

USDA Registration No:

Address: Building:

Floor/Room:

Contact Person:

Phone Number:

Pine Acres Rabbitry/Farm (SATELLITE)

14-B-0052

299 East Main Street, Norton MA 02766

Main Building

First Floor

FACILITY SITES LISTING

Licensee/Registrant Name:

Brigham & Women's Hospital

License/Registration Number:

7

14-R-092

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

Name/Department:

HMS/ARCM - Seeley G. Mudd (SATELLITE)

USDA Registration No.:

14-R-019

250 Longwood Avenue, Boston MA 02115

Address: Building:

Seeley G. Mudd Building

Floor/Room:

Contact Person: Phone Number: Basement Level

Site No.:

Name/Department:

USDA Registration No.:

HMS/ARCM - Central (SATELLITE) 14-R-019

Address:

Building: Floor/Room: Contact Person:

Phone Number:

665 Huntington Avenue, Boston MA 02115 Harvard School of Public Health - Bldg. II

Ground and Basement Levels

Site No.:

8 Name/Department: HMS/ARCM - HIM (SATELLITE)

USDA Registration No.:

Address:

Building:

Floor/Room:

77 Avenue Louis Pasteur, Boston MA 02115

Contact Person:

Harvard Institutes of Medicine Ground and Basement Levels

Phone Number:

DEC 13 2002

This report is required by law (7 USC 2143). Failure to report according to the regulations can result in an order to cease and desist and to be subject to penalties as provided for in Section 2150. See reverse side for additional information

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0094

CUSTOMER NO. 145

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code) WELLESLEY COLLEGE

106 CENTRAL STREET WELLESLEY, MA 02481 (617) 283-3000

sheets if necessary.)					
		F	ACILITY LOCATIONS(sites)		
See Attached Listing					
				<u> </u>	
REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets if nece	SSBIY OF USE APHIS FORM 7023A)	
A. Animals Covered By The Animal	Number of animals being bred, conditioned, or	C. Number of animals upon which teaching, research.	Number of animals upon which experiments, teaching, research, surgery, or tests were	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate	TOTAL NO. OF ANIMALS
Welfare Regulations	held for use in teaching, testing, experiments, research, or surgery but not yet used for such	experiments, or tests were conducted involving no pain, distress, or use of pain-	conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used	(Cols. C + D + E)
•	purposes.	relieving drugs.	used.	must be attached to this report)]
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			4		4
9. Non-Human Primates	·				
10. Sheep					
11. Pigs				,	
12. Other Farm Animals		· ·			
13. Other Animals					
				,	

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY	HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive C	Officer or Legally Responsible Institutional official)	
I certify that the all	pove is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
Diana Chep Walds	Diana Chapman Walsh, President	12/12/02

ASSURANCE STATEMENTS

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

14-R-0094

Customer Number:

145

Facility:

.

WELLESLEY COLLEGE

106 CENTRAL STREET WELLESLEY, MA 02481

(617) 283-3000

WELLESLEY COLLEGE 106 CENTRAL AVENUE WELLESLEY, MA 02481

See reverse side for additional information.

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0096 CUSTOMER NO. 146

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

 HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA, include Zip Code)
 MC LEAN HOSPITAL CORPORATION

MCLEAN HOSPITAL CORPORATION 115 MILL STREET BELMONT, MA 02478-9106

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(sites)

MC LEAN HOSPITAL
BELMONT, MA 02178

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO OF ANIMALS (Cols. C+ D+E)
4. Dogs	poposos	Telleving Grugs.	4350.	must be attached to this reporty	
5. Cats					***************************************
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates			131		131
10. Sheep			·		
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
Peter A. Paskevich	Peter A. Paskevich, Vice President, Research Administration	10/24/2002			

NOV 2 5 2002 See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0107

CUSTOMER NUMBER: 150

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Center For Blood Research, The 800 Huntington Avenue Boston, MA 02115

Telephone: (617) -731-6470

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

The Center for Blood Research, Inc. 800 Huntington Ave., Boston, MA (F2C) Tylocations (Sites) - See Atlached Listing First & Second Floor rodent rooms

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS
4. Dogs	0	0	0	. 0	0
5. Cats	. 0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	0	0	0
9. Non-human Primate	0	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
					,

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Michael Lanner, CRA Executive Vice President	DATE SIGNED

FACILITY SITES LESTING

Licensee/Registrant Name:	CENTER FOR BLOOD RESEARCH, INC.
((conse/Registration Number:	14-R- 0107
are to include all requested	that house regulated animals under the above number. Bed information. If the line does not apply, please mark in three (3) sites copy this form as many times as needed
Name/Departme	ent: Center for Blood Research, Inc.
Addre	800 Huntington Avenue
	Boston, MA 02115
Buildi	.ng: N/A
Floor/Ro	First and second floor rodent rooms
Contact Pers	on: Phone No.:
te No.: Name/Departme	ent:
	ess:
	,
Buildi	ng:
Floor/Ro	om:
	on: Phone No.:
Site No.: Name/Departme	nt:
	99:
Buildi	ng:
	οιπ:
	on: Phone No.:

OCT 04 2002

See attached form for additional information Interagency Report Cor

This report is required by law (7 USC 2143). Failure to report according to the regulations

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0109

CUSTOMER NUMBER: 151

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Norton, MA 02766

Wheaton College Rt. 123

Telephone: (508) -286-5642 58 9

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Biology & Haychobiology Depts

FACILITY LOCATIONS (Sites) - See Atached Listing

Contact:

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

A. Animals Covereo By The Animal Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	nla				0
5. Cats	nla				0
6. Guinea Pigs	tila				0
7. Hamsters	nla				0
8. Rabbits	Tia				0
9. Non-human Primate	+/a		·		0
10. Sheep	na				0
11. Pigs	mla				0
12. Other Farm Animals	7/2				
13. Other Animals	Na				0

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

SUSANNE WOODS, PROVOST

This report is required by law (7 USC 2143). Failure to report according to the regulations can

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0112

> CUSTOMER NUMBER: 152

FORM APPROVED OMB NO. 0579-0036

Whitehead Institute For Biomedical Research Nine Cambridge Center

Cambridge, MA 02142

Telephone: (617) -258-5104

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Alached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					0
5. Cats					Ö
6. Guinea Pigs					0
7. Hamsters					0
8. Rabbits					0
9. Non-human Primate					. 0
10. Sheep					0
11. Pigs					0
12. Other Farm Animals					0
13. Other Animals					0
					3

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print				

John Pratt, Associate Director

DATE SIGNED

APHIS FORM 7023

Replaces VS FORM 18-23 (OCT 88), which is obsolete.

See reverse side for additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO.

FORM APPROVED OMB NO 0579-0036

tered with USDA

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

2. HEAI 14-R-0150, Cust ld 10717 inclu GARY RILEY ALKERMES, INC

64 SIDNEY ST CAMBRIDGE, MA 02139 DEC 11 2 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Siles)

345 Vassar St

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in leaching, lesting, experiments, research, or surgery but not yet used for such purposes.	C Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	F. TOTAL NO. OF ANIMAL: (Cols. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		602	370972		972
7. Hamsters					
8. Rabbits					
9. Non-human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
				·	

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTES RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)

D. AN: D. BROECKER, C. O.O.

INSTITUTION AT OFFICIAL

DATE SIGNED

See attached form for additional information

002 Iteragency Report Control Nq.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0151

CUSTOMER NUMBER: 11236

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Astrazenca 35 Gatehouse Dr Waltham, MA 02451

Telephone: (781) -839-4566

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER C	ONTROL OF RESEAR	CH FACILITY / Attach additiona	I sheets if necessary or use APHIS Form 7023A \	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	D
5. Cats	0	0	D	0	٥
6. Guinea Pigs	0	D	0	0	0
7. Hamsters	D	0	D	D	0
8. Rabbits	D	0	0	0	0
9. Non-human Primate	D	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pig s	D	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	D	Ö	0	0	0

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	CATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OF INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
MInt	TREVOR J. TRUST V.P INF. DESCOUERY	9/24/02

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0152

CUSTOMER NO. 12456

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

GWATHMEY, INC.
763 CONCORD AVE BLDG E DEC 2 6 2002 (617) 491-0022

 REPORTING FACILITY (List a sheets if necessary) 	all locations where animals	were housed or used in a	actual research, testing, teaching,	or experimentation, or held for these purposes. Attach add	itional
		F	ACILITY LOCATIONS(sites)		
See Attached Listing					
REPORT OF ANIMALS USED BY			,		
A. Animals Covered By The Animal Welfare Regulations	Number of animals being bred. conditioned, or held-for use in teaching, testing, experiments, research, or surgery but not yet used for such	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquitizing drugs were	Number of anmals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used.)	F. TOTAL NO OF ANIMALS (Cols. C + D + E)
	purposes	relieving drugs.	used	must be attached to this report)	
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals		,			
ONLY USED LI	BORATORY	RATS AND	MICE THE	LAST TWO YEARS	
ASSURANCE STATEMENTS	<u> </u>				
Professionally acceptable s	tandards governing the ca		animals, including appropriate use	e of anesthetic, analgesic, and tranquilizing drugs, prior to,	during,

- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143)								
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED						
Quolita K. Livachy	JUDITH K. GWATHMEY, VMD, PAD /CEO	12/10/02						

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0153

CUSTOMER NUMBER: 471

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Sera Source, Inc. P.O. Box 58 58 S. Royalston Road

Royalston, MA 01368

Telephone: (978) -249-0974

			TY LOCATIONS (Sites) - See A		
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which leaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
i. Dogs					
5. Cats			į.		
3. Guinea Pigs					
7. Hamsters	3	15			18
3. Rabbits	20	120			120
Non-human Primate					
0. Sheep					
1. Pigs					
2. Other Farm Animals					
Coats		3			3
3. Other Animals					
ASSLIPANCE STATEMENT	· e				

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	Mark Deegan PRESI dert	10/10/02

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

This report is required by law (7 USC 2143). Failure to report according to the regulations can

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0154

CUSTOMER NUMBER: 148

FORM APPROVED, OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Baystate Medical Center 759 Chestnut Street Springfield, MA 01199

Telephone: (413) -794-4356

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats	3		3		
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
0. Sheep					
1. Pigs	27		27		
2. Other Farm Animals					
3. Other Animals				<u> </u>	
`					:
<u> </u>					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executive Officer or Legally Responsible Institutional Official)	

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

WARREN E. FOSTE

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0155

CUSTOMER NUMBER: 13275

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Massachusetts College Of Pharmacy & Health 179 Longwood Ave

Boston, MA 02115

Telephone: (617) -732-2942

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not y€	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or lests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	NA				
5. Cats	NA				
6. Guinea Pigs	NA				
7. Hamsters	0	0	1865	0	1865
8. Rabbits	NA				
9. Non-human Primate	NA				
10. Sheep	NA				
11. Pigs	NA				
12. Other Farm Animals	NA				
13. Other Animals	NA				
					:

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATIO	I BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
/ Chief Evec	(a Officer or Legally Responsible Institutional Official)

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

DATE SIGNED

Charles F. Monahan, Jr., President

11/25/

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

ee attached form for dditional information

Interagency Report Control Ng.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0156

CUSTOMER NUMBER: 749

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Capralogics, Inc.
315 Czeski Road + 235 Czeski Road
P.O. Box 356
Hardwick, MA 01037

Telephone: (413) -477-6612

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)					
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs	~				
5. Cats	_				
6. Guinea Pigs	_				
7. Hamsters	~				
8. Rabbits	~		301		301
9. Non-human Primate					
10. Sheep	4		7		7
11. Pigs	_	ک			a a
12. Other Farm Animals					
Goats	53		48		48
13. Other Animals					
Equine			į		: 1

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) STAN WHITE, CEU	DATE SIGNED			

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0157

CUSTOMER NUMBER: 14167

FORM APPROVED . ОМВ NO. 0579-903

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Cell Signaling Technology, Inc. 166 B Cummings Center Beverly, MA 01915

Telephone: (978) -867-2300

DEC 1 0 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

16.6 B Cummings Could, Becarly MA

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	D	0	0
8. Rabbits	0	0	2	0	2
9. Non-human Primate	0	0	Ŏ	0	0
10. Sheep	Ò	0	0	Ŏ	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	Ò	0	0	D
13. Other Animals	0	0	0	0	6

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- nding veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)				
SIGNATURE OF CE.O. OR INSTITUTIONAL OPEICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print MICHAEL COMB, Ph.D	DATE SIGNED		

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0158

CUSTOMER NUMBER: 15072

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

T.E.I. Biosciences 7 Elkins St Boston, MA 02127

Telephone: (617) -268-3282

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, expenments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Doğs	0	0	0	0	6
5. Cats	0	Ó	0	0	6
6. Guinea Pigs	0	Ó	0	8	0
7. Hamsters	0	0	Ô	0	Ó
8. Rabbits	0	0	Ŏ	0	6
9. Non-human Primate	Ó	6	\circ	0	0
10. Sheep	6			0	6
11. Pigs	0	\bigcirc	Ò	0	Q
12. Other Farm Animals	Ó	0	Ď	Ó	0
13. Other Animais	6	Ó	6	Ö	0
					1

ASSURANCE STATEMENTS

(AUG 91)

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	EADQUARTERS RESEARCH FACILITY OFFICIAL cer or Legally Responsible Institutional Official)	
SIGNATURE OF C. O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print VIAINNIS MUNICIOUXIX /PRESIDENTE CEO	DATE SIGNED
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 86), which is obsolete.		

This report is required by law (7 USC 2143). Failure to report according to the regulations

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0159 CUSTOMER NUMBER: 16296

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Bristol-Myers Squibb Medical Imaging, Inc. 331 Treble Cove Road North Billerica, MA 01862

Telephone: (800) -362-2668

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBEF OF ANIMALS (COLUMNS C + D + E)
4. Dogs	5		35		35
5. Cats					ර
6. Guinea Pigs					<u>ن</u>
7. Hamsters		10			10
8. Rabbits	16		4.3		43
9. Non-human Primate	5				0
10. Sheep					ပ
11. Pigs					O
12. Other Farm Animals					C
13. Other Animals					c
					·
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1		Ţ.,			1

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIA	L
(Chief Executive Officer or Legally Responsible Institutional Official)	

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

D. SCOTT EDWARDS EX. DIRECTOR
R+D

DATE SIGNED 10/6/0

Interagency Report Contro

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0160

CUSTOMER NUMBER: 10943

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Tga Sciences, Inc. 47 Hall Street Medford, MA 02155

Telephone: (781) -393-6910

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

No an	rimals.	presentin	facility	FACILITY LOCATIONS (Sites)	- See Atached Listing
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REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)					
B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)	
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	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	B. Number of animals being bred. conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye C. Number of animals upon which teaching, research, or surgery but not ye C. Number of animals upon which teaching, research, or experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs. C. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	B. Number of animals being bred, conditioned, or held for use in teaching, experiments, or tests were conducted involving accompanying pain or distress to the animals and for which teaching, research, experiments, or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, an agreements, or use of pain-relieving drugs. C. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, an agreements, surgery, or tests. (An explanation of the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- iding veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CI	ERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O/OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) MICHAEL SITHES PRESIDENT	DATE SIGNED 9/20/02

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0161

CUSTOMER NUMBER: 1658

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Tranxenogen, Inc.

P.O. Box 707 Mo 800 Boston TURNPIKE

Shrewsbury, MA 01545

Telephone: (508) -842-5036

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

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FACILITY LÓCATIONS (Sites) - See Atached Listing

NORTON MA 02766

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)

A. Animals Covered By The Animal Welfare Regulations	В.	Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropnate anesthetic, a	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dog~									
5. Cats									
6. Guinea Pigs									
7. Hamsters	<u> </u>								
8. Rabbits									
9. Non-human Primate									
10. Sheep									
11. Pigs		Z							
12. Other Farm Animals							L.		
							L		
13. Other Animals									
				•					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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	ADQUARTERS RESEARCH FACILITY OFFICIAL r or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED

APHIS FORM 7023

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

UNITED STATES DEPARTMENT OF AGRICULTURE

ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0162 CUSTOMER NUMBER: 17008

FORM APPROVED CO OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Nucryst Pharmaceuticals 50 Audubon Rd Suite B Wakefield, MA 01880

2002

Telephone: (781) -246-6053

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

Wokefield, MA.

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER	CONTROL OF RESEAR	CH FACILITY (Attach addition:	al sheets if necessary or use APHIS Form 7023A \	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			10		10
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					,
12. Other Farm Animals					
13. Other Animals					
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ASSURANCE STATEMENTS

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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

,		
	ATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL recutive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF CEO OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
Yand Acher	Paul J Schechtor	11/4/0

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 68); which is obsolete.

Vice President, Drug Development and Regulatory Affairs Chief Medical Officer

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0163

additional information

CUSTOMER NUMBER: 16321

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Essential Therapeutics Inc 1365 Main St Waltham, MA 02451

Telephone: (781) -647-5554

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER O	CONTROL OF RESEAR	CH FACILITY (Attach additiona	il sheets if necessarv or use APHIS Form 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					
5. Cats		A			
6. Guinea Pigs		As co			
7. Hamsters		Account	\mathcal{C}		
8. Rabbits			Mas .		
9. Non-human Primate			Peces		
10. Sheep			Qu)		
11. Pigs			U	Wind of the second	
12. Other Farm Animals				Leon.	
				Jalius .	
13. Other Animals				1001	
				000	7.

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL
(Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

George H. Miller

APRIS FORM 7023 (Replaces VS FORM 18-23 (OCT 38), which is obsolete.

(AUG 91)

can

See attached form for additional information

Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0114

CUSTOMER NUMBER: 1792

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Mount Holyoke College Biology Department 50 College Street South Hadley, MA 01075

Telephone: (413) -538-2149

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal	B. Number of animals being bred, conditioned, or held for use in	C. Number of animals upon which teaching, research, experiments, or	D. Number of animals upon which expenments, teaching, research, surgery, or tests were conducted	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would	F. TOTAL NUMBER OF ANIMALS
Welfare Regulations	teaching, testing, experiments, research, or surgery but not ye	tests were conducted involving no pain, distress, or use of pain- relieving drugs.	involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, expenments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	(COLUMNS C+D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hams' rs					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
		NO ANIM	ALS IN ANY OF	THESE CATEGORIES USED	0

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.

GNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
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-	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

Donal O'Shea, VP for Academic Affairs 11/21,

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

APHIS FORM 7023

This report is required by law (7 USC 2143). Failure to report according to the regulations can

ee attached form for additional information Interagency Report Control No

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0116

153 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

FINAL REPORT ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Genetics Institute, Inc. 87 Cambridge Park Drive Cambridge, MA 02140

GI Reg. October 1, 2001 -April 4, 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, lesting, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, canditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropnate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs		6	46		52
5. Cats				-	
6. Guinea Pigs		8	587		595
7. Hamsters					
8. Rabbits		11	89		90
9. Non-human Primate ·	70		43		43
10. Sh ee p					
11. Pigs					·
12. Other Farm Animals					
13. Other Animals					
					7

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

Dr. John A. Worsing, Vice President Institutional Official

DATE,SIGNED 102

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (OCT 88), which is obsolete.

interagency Report Control No.: Cry

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0119

CUSTOMER NUMBER: 143

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Marine Biological Laboratory 7 Mbl Street

Woods Hole, MA 02543

Telephone: (508) -289-7480

NOV 29 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	В.	Number of animals being bred, - conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	c.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBE OF ANIMALS (COLUMN: C + D + E
4. Dogs									
5. Cats									
6. Guinea Pigs									
7. Hamsters									
8. Rabbits						4			4
9. Non-human Primate									
10. Sheep									
11. Pigs									
12. Other Farm Animals	T								
Chickens						116	T		116
13. Other Animals							T		
Sand Rat (Gerbil)	1			·-		97			97
(Gerbil)	-		\vdash	•			+		

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	ION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL cutive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print E.A. Dawidowicz, Ph.D., Director Office of Education	DATE SIGNED
ADUIC CODY 7000 (Benjame VC FORM 19 23 (OCT 99) which is al	No. olaha	

DEC 0 4 2002 See attached form for additional information

Interagency Report Co

This report is required by law (7 USC 2143). Failure to report according to the regulations can

> UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0123

CUSTOMER NUMBER: 154

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

Genzyme Corporation One Kendall Square Building 1400 Cambridge, MA 02139

Telephone: (617) -252-7500

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not year.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs			504		504
7. Hamsters					
8. Rabbits			278		278
9. Non-human Primate					
10. Sheep					
11. Pigs			98		98
12. Other Farm Animals					
Goats	25	25	33		58
3. Other Animals					
					÷

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)					
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL JOHN M. M. Glieren las Alam Linith	NAME& TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print Alan E. Smith, Ph.D., Senior VP of Research Institute Official	DATE SIGNED			
APHIS FORM 7023 (Replaces VS FORM 18-23 (OCT 88), which is obsolete.					

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0126

CUSTOMER NUMBER: 155

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Advanced Magnetics, Inc. 61 Mooney Street

Cambridge, MA 02138

Telephone: (617) -497-2070

OCT 23 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing R+D AT 4300E ADDRESS

REPORT OF ANIMALS	REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)				
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, expenments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs	0	0	0	0	\mathcal{C}
5. Cats	0	Ŏ	\mathcal{D}	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	\mathcal{O}
: Rabbits	U	0	0	0	0
9. Non-human Primate	0	0	0	0	0
10. Sheep	0	\mathcal{O}	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0		0
13. Other Animals	0	0	0	0	. 0

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other espects of animal care and

	ERTIFICATION BY HEADQUARTERS RESEARCH FAC (Chief Executive Officer or Legally Responsible Institution		
SIGNATURE OF CA.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INST	TITUTIONAL OFFICIAL (Type or Print ULATORY AFFAIRS 10/17/02	-

additional information

Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

1. REGISTRATION NO. 14-R-00128 FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

Harvard University Faculty of Arts & Sciences 24 University Hall Cambridge, MA 02138 Status: Active

ORIGINAL

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

See attached.

See attached.

A.	B. Number of	C. Number of	D. Numbers of animals	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	0	0	0
5. Cats	0	0	0	0	0
6. Guinea Pigs	0	0	0	0	0
7. Hamsters	0	0	0	0	0
8. Rabbits	0	0	6	0	6
9. Non-human Primates	0	39	0	0	39
10. Sheep	0	0	39	0	39
11. Pigs	0	0	15	0	15
12. Other Farm Animals					1.5
Goats	0	0	17	0	17
13. Other Animals					
_Alligators	1	0	3	0	3

ASSURANCE STATEMENTS

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- Each principal investigator has considered alternatives to painful procedures.
- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a bnef explanation of the exceptions, as well as the species and number of animals affected.
- The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Nancy L. Maull, Ph.D. Administrative Dean of the Faculty of Arts & Sciences Harvard University - 20 University Hall, Cambridge MA 02138

DATE SIGNED

11/26/02

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS FORM 7023A.)

Interagency Report Control No. 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-00128

FORM APPROVED OMB NO. 0579-0036

CONTINUATION SHEET FOR ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT) 2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with the USDA, include Sip Code)

Harvard University Faculty of Arts & Sciences 24 University Hall Cambridge, MA 02138 Status: Active

			,		
A. Animals Covered By The Animal Welfare Regulations 12. &/OR 13. Other (List by Species)	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching research, experiments or tests were conducted involving no pain, distress, or use of pain relieving drugs.	D. Numbers of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report.)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
13. Other : continued					
Birds (wild caught)	0	0	41	0	41
Chinchillas	1	0	0	0	0
- Ducks (mallards)	0	0	42	0	42
_Emus	19	0	0	0	0
Ferret, European	1	0	0	0	0
Geese	0	0	4	0	4
—Guinea fowl	0	0	37	0	37
Hedgehog, African	1	0	0	0	0
Hyraxes	0	0	4	0	4
Opossum	1	0	0	0	1
Owl, screech	1	0	0	0	0

ASSURANCE STATEMENTS

Tinamous

Wallabies

1. Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.

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Each principal investigator has considered alternatives to painful procedures.

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- This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4. The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)

I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

eum U

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL Nancy L. Maull, Ph.D. Administrative Dean of the Faculty of Arts & Sciences Harvard University - 20

University Hall, Cambridge MA 02138

11/26/02

DATE SIGNED

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FACILITY SITES LISTING

Licensee/Registrant Name:

Harvard University

Faculty of Arts & Sciences

License/Registration Number:

14-R-128

Please list below all sites that house animals under the above registration number. Be sure to include all requested information. Do not leave any spaces blank. If lines do not apply, please mark it N/A. If you have more than three (3) sites, please copy this form as many times as needed before filling in the sites.

Site No.:

1 Name/Department: Office of Animal Resources (OAR)

Address:

Harvard University Cambridge, MA 02138

Building: (1)

Floor/Room:

Contact Person: Phone Number: The Biological Laboratories - 16 Divinity Avenue

Fifth Floor

(2) Building:

Floor/Room:

Contact Person: Phone Number: Museum of Comparative Zoology - 26 Oxford Street

First and Second Floors

(3) Building:

Floor/Room:

Contact Person:

Phone Number:

William James Hall - 33 Kirkland Street

10th Floor

(4) Building:

Floor/Room:

Contact Person:

Fairchild Biochemistry Building - 7 Divinity Ave.

Lower Level

Phone Number:

Site No.:

2 Name/Department:

Concord Field Station (CFS)

Old Causeway Road, Bedford MA 01730

Address: Building:

Main and fields

Floor/Room:

Contact Person:

Phone Number:

First Floor and Grounds

See reverse side for additional information. Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14-R-0133

CUSTOMER NO. 149

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA,

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

include Zip Code) TRANSKARYOTIC THERAPIES INC.

195 ALBANY STREET

CAMBRIDGE, MA 02139 (617) 491-7630

REPORTING FACILITY (List all sheets if necessary.)	l locations where animals	were housed or used in a	ctual research, testing, teaching,	or experimentation, or held for these purposes. Attach addi	tional
	,	F.	ACILITY LOCATIONS (sites)		
See Attached Listing					
REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets if neces	sary or use APHIS FORM 7023A)	:
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or lests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs					
5. Cats					,
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					· ·
9. Non-Human Primates					
10. Sheep					•
11. Pigs					
12. Other Farm Animals				,	
			·		
13. Other Animals					
		٠.			
·					
ASSURANCE STATEMENTS					

- Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquitizing drugs, prior to, during, and following actual research, teaching, teating, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered atternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other

aspects of animer care one use.		
CERTIFICATION	BY HEADQUARTERS RESEARCH FACILITY OFFICIAL	
(Chief Executiv	e Officer or Legally Responsible Institutional official)	
I certify that the	above is true, correct, and complete (7 U.S.C. Section 2143)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED
	Richard F Selden, MD. Ph.D.	11/2/1
	President and CEO	1"166108
	DART	4 UEADOUADTERS

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

See reverse side for additional information Interagency Report Control No 0180-DOA-AN

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14-R-0134

CUSTOMER NO. 518

FORM APPROVED OMB NO 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USCA. include Zip Code)

EISAI RESEARCH INSTITUTE OF BOSTON, INC. 4 CORPORATE DRIVE ANDOVER, MA 01810

•		F	ACILITY LOCATIONS(sites)		
EISAI RESEARCH INSTITUT ANDOVER, MA 01810	E				
EIISAI RESEARCH INSTITUT WILMINGTON, MA 01877	E				
REPORT OF ANIMALS USED BY	OR UNDER CONTROL O	F RESEARCH FACILITY	(Attach additional sheets if neces	ssary or use APHIS FORM 7023A)	
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain distress or use of pain-relieving drugs	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. TOTAL NO OF ANIMALS (Cois. C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					•
ASSURANCE STATEMENTS	<u> </u>				
1) Professionally acceptable sta	andards governing the car	e, treatment, and use of a	animals, including appropriate use	of anesthetic, analgesic, and tranquilizing drugs, prior to,	during,

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional

- and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all the exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL					
(Chief Executive Officer or Legally Responsible Institutional official)					
I certify that the ab	ove is true, correct, and complete (7 U.S.C. Section 2143)				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED			
Yutaka Ishizaka	Yutaka Ishizaka Executive Director Administration & Legal Affairs	12/02/2002			

14-R 0135 NOV 29 2003

This report is required by law (7 USC 2143).	Failure to report according to the regulations can
	he subject to penalties as provided for in Section 2150

See reverse side for #15 Iteragency additional information. 0180-DOA-A

UNITED STATES DEPARTMENT OF AGRICULTURE
ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. REGISTRATION NO. 14- 12-0134

FORM APPROVED OMB NO. 0579-0036

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA.

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Include Zip Code)

ABBOTT BIDRESEARCH CONTRL

100 RESEARCH D2.

HUBOII BIORESFARCH CENTRE 100 RESFARCH DZ. WORCESTER MA 01605

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, teaching, or experimentation, or held for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS (Sites)

100 RESEARCH DR.

A.	B. Number of	C. Number of	D. Number of animals upon	E. Number of animals upon which teaching,	F.
Animals Covered By The Animal Welfare Regulations	animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not yet used for such purposes.	animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain- relieving drugs.	which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, analgesic, or tranquilizing drugs were used.	experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teach, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to this report).	TOTAL NO. OF ANIMALS (Cols. C + D + E)
4. Dogs	0	0	0	ð	0
5. Cats	o o	0	0	0	0
6. Guinea Pigs	0	0	0	c	0
7. Hamsters	0	0	0	0	ಲ
8. Rabbits	0	0	O	0	0
9. Non-human Primates	o	0	0	0	0
10. Sheep	0	0	0	0	0
11. Pigs	0	0	0	0	0
12. Other Farm Animals	0	0	0	0	0
13. Other Animals	0	0	0	0	0
				•	

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthetic, analgesic, and tranquilizing drugs, prior to, during and following actual research teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and umber of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer of Legally Responsible Institutional Official) I certify that the above is true, correct, and complete (7 U.S.C. Section 2143).				
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	DANIL TRACTY, DIR. OF Pharmacoiccy 11/27/12			

APHIS FORM 7023 (AUG 91) (Replaces VS FORM 18-23 (OCT 88), which is obsolete.)

PART 3 - FACILITY

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0137 CUSTOMER NUMBER: 1658

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY
(TYPE OR PRINT)

Tranxenogen, Inc. P.O. Box 707 Mo Shrewsbury, MA 01545

Telephone: (508) -842-5036

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs	2		·		
12. Other Farm Animals					
13. Other Animals					

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)								
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED						
Leon Unean	GEORGE UVEGES CEO	12/17/02						
10110 50511 7050/								

PHIS FORM 7023/ (AUG 91) (Replaces S FORM 18-23 (OCT 88), which is obsolete.

additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0140 CUSTOMER NUMBER: 1724

FORM APPROVED OMB NO. 0579-0036

Nitromed, Inc. 12 Oak Park Drive Bedford, MA 01730

Telephone: (781) -685-9700

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

UITRORED, INC. FACILITY LOCATIONS (Sites) - See Atached Listing 12 OAK PARK DA BEDFORD,

REPORT OF ANIMALS I	JSED BY OR UNDER (CH FACILITY / Attach additiona	al sheets if necessary or use APHIS Form 7023A)	***************************************
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E)
4. Dogs		(
5. Cats					
6. Guinea Pigs					
7. Hamsters					
8. Rabbits			130		130
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals	` .		·		
13. Other Animals					

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)							
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAMES TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print P. MARK, PA, D SECTION MEAN) IN VIVO PRIARM HOULOGY	DATE SIGNED					

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0141
CUSTOMER NUMBER: 1767

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Antigenics, Inc. 34 Commerce Way Woburn, MA 01801

NOV 1 5 2002

Telephone: (781) -721-3500

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

Animal Facility

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A) F. E. Number of animals upon which teaching, A. B. Number of Number of D. Number of animals upon which animals upon experiments, research, surgery or tests were animals being which teaching, experiments, teaching, conducted involving accompanying pain or distress bred TOTAL NUMBER Animals Covered research, research, surgery, or to the animals and for which the use of appropriate conditioned, or OF ANIMALS By The Animal experiments, or tests were conducted anesthetic, analgesic, or tranquilizing drugs would held for use in Weifare Regulations tests were involving have adversely affected the procedures, results, or teaching, (COLUMNS conducted accompanying pain or interpretation of the teaching, research, experiments, testing, C+D+E) involving no distress to the animals surgery, or tests. (An explanation of the procedures experiments. pain, distress, or and for which producing pain or distress in these animals and the research, or use of painappropriate anesthetic, a reasons such drugs were not used must be attached to surgery but not y€ relieving drugs. 4. Dogs 5. Cats 6. Guinea Pigs 7. Hamsters 8. Rabbits 9. Non-human Primate 10. Sheep 11. Pigs 12. Other Farm Animals 13 Other Animals

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

7 ;	ADQUARTERS RESEARCH FACILITY OFFICIAL er or Legally Responsible Institutional Official)	
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	Russell Herndon, President and C.O.D.	DATE SIGNED

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This report is required by law (7 USC 2143). Fallure to report according to the regulations can result in an order to cases and desist and to be subject to permittee as provided for in Section 2150. See reverse side for additional Information

ncy Report Control No Interagency Re

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. REGISTRATION NO. 14-R-0142

CUSTOMER NO. 1779

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

2. HEADQUARTERS RESEARCH FACILITY (Name and Address, as registered with USDA include Zip Code)

ANTIGENICS, INC., A MASSACHUSETTS CORPORATION 175 CROSSING BLVD FRAMINGHAM, MA 01702 (508) 528-0100

3. REPORTING FACILITY (List all locations where snimals were housed or used in actual research, testing, teaching, or experimentation, or hald for these purposes. Attach additional sheets if necessary.)

FACILITY LOCATIONS(stes)

See Attached Listing

Animal Facility-175 Crossing Blrd Framingham, MA 01702

A. Animals Covered By The Animal Westare Regulations	Number of animals being bred, conditioned, or held for use in teaching, leating, experiments, research, or surgery but not yet used for such purposes,	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which apperiments, leaching, research, surgery, or tests were conducted involving accompanying pain or distress to the enimals and for which appropriate anesthetic, analgeste, or tranquilizing drugs were used.	E. Number of animals upon which teaching, experiments, research, surgery or leaks were conducted involving accompanying pain or distress to the animals and for which the use of appropriate enesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pein or distress in these animals and the reasons such drugs were not used must be attached to this report)	F. YOTAL NO. OF ANIMAL! (Cols. C • D+ E)
4. Dogs					
5. Cats					
6. Guinea Pigs					1
7. Hamsters					
8. Rabbits					
9. Non-Human Primates					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					

- 1) Professionally ecceptable standards governing the care, treatment, and use of animals, including appropriate use of anesthotic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered attemptives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the institutional Animal Care and Use Committee (IACUC). A numerary of all the exceptions is attached to this annual report, in addition to identifying the IACUC-approved exceptions, this summary includes a brist explanation of the exceptions, as well as the species and number of snirrain affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other espects of animal care and use.

CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional official) I cartify that the above is true, correct, and complete (7 U.S.C. Section 2143)						
SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print)	DATE SIGNED				
Kosell / Hand	Russell Hernden, President and C.O.O.	11-1202				

APHIS FORM 7023 (AUG 91)

(Replaces VS FORM 18-23 (Oct 88), which is obsolete

PART 1 - HEADQUARTERS

See attached form for additional information

Interagency Report Control

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0143

CUSTOMER NUMBER: 1788

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Vertex Pharmaceuticals, Inc. 130 Waverly Street Cambridge, MA 02139

Telephone: (617) -577-6607

(617) 444-6100

NOV 2 6 2002

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS	USED BY OR UNDER C	CONTROL OF RESEAR	CH FACILITY (Attach additiona	al sheets if necessary or use APHIS Form 7023A)	
A. Animals Covered By The Animal Weifare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C+D+E)
4. Dogs					
5. Cats					
6. Guinea Pigs	0	0	0	0	0
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					
					t.

ASSURANCE STATEMENTS

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
- 2) Each principal investigator has considered alternatives to painful procedures.
- 3) This facility is adhering to the standards and regulations under the Act, and it has required that exceptions to the standards and regulations be specified and explained by the principal investigator and approved by the Institutional Animal Care and Use Committee (IACUC). A summary of all such exceptions is attached to this annual report. In addition to identifying the IACUC-approved exceptions, this summary includes a brief explanation of the exceptions, as well as the species and number of animals affected.
- 4) The attending veterinarian for this research facility has appropriate authority to ensure the provision of adequate veterinary care and to oversee the adequacy of other aspects of animal care and

	CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL (Chief Executive Officer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E. O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print	DATE SIGNED
In fear	Joshua Boger, Ph.D. Chairman & CEO	11/25/02

APHIS FORM 1023

See attached form for additional information Interagency Report Control No.:

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

OCT 07 2002

ANNUAL REPORT OF RESEARCH FACILITY (TYPE OR PRINT)

1. CERTIFICATE NUMBER: 14-R-0145

CUSTOMER NUMBER: 1802

FORM APPROVED OMB NO. 0579-0036

U C B Research, Inc. 840 Memorial Drive Cambridge, MA 02139

Telephone: (617) -547-0033

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

840 Memorial Drive, 1st f1 FACILITY LOCATIONS (Sites) - See Atached Listing Cambridge, MA 02139

A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBEI OF ANIMALS (COLUMNS C + D + E)
4. Dogs					
5. Cats					
6. Guinea Pigs		2153	348		2501
7. Hamsters					
8. Rabbits					
9. Non-human Primate					
10. Sheep					
11. Pigs					
12. Other Farm Animals					
13. Other Animals					٠
				·	·.

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICIAL

(Chief Executive Officer or Legally Responsible Institutional Official)

DATE SIGNED

Dr. Thomas R. Beck, Director Global Research

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

10

(Replaces VS FORM 18-23 (OCT 88), which is obsolete. APHIS FORM 7023

INSTITUTIONAL OFFICIAL

(AUG 91)

SIGNATURE OF

This report is required by law (7 USC 2143). Failure to report according to the regulations

See attached form for additional information

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE

1. CERTIFICATE NUMBER: 14-R-0148

CUSTOMER NUMBER: 9446

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Davinci Biomedical Research Products, Inc. 20 Maple St

Po Box 1125

South Lancaster, MA 01561

Telephone: (978) -368-3477

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

P.O BIAHES

FACILITY LOCATIONS (Sites) - See Atached Listing

South Luniuster MA 01561

A. Animals Covered By The Animal Welfare Regulations		Number of animals being bred, conditioned, or held for use in teaching, testing, experiments, research, or surgery but not ye	C.	Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E.	Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBE OF ANIMALS (COLUMNS C + D + E)
4. Dogs					93	T		93
5. Cats				•	0	\prod		0
6. Guinea Pigs					0	Γ		0
7. Harnsters					0	\prod		O
8. Rabbits				9	9	Γ		9
9. Non-human Primate				91	97			97
10. Sheep				16	16			16
11. Pigs				25	25	\prod		25
12. Other Farm Animals				8	8			8
13. Other Animals						_		
	_		<u> </u>		 	-		
				-	·	\bot		

ASSURANCE STATEMENTS

(AUG/91)

- 1) Professionally acceptable standards governing the care, treatment, and use of animals, including appropriate use of anestetic, analgesic, and tranquilizing drugs, prior to, during, and following actual research, teaching, testing, surgery, or experimentation were followed by this research facility.
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	HEADQUARTERS RESEARCH FACILITY OFFICIAL ficer or Legally Responsible Institutional Official)	
SIGNATURE OF C.E. O. OR INSTITUTIONAL OFFICIAL	NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print) Giuseppe Villari Pro side +	11- 19- 02
APHIS FORM 7023 / (Replaces VS FORM 18-23 (OCT 88), which is obsolete.		

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE 1. CERTIFICATE NUMBER: 14-R-0159 149 CUSTOMER NUMBER:

FORM APPROVED OMB NO. 0579-0036

ANNUAL REPORT OF RESEARCH FACILITY

(TYPE OR PRINT)

Bristol-Myers Squibb Medical Imaging, Inc 331 Treble Cove Road North Billerica, MA 01862

Telephone: (800) -362-2668

3. REPORTING FACILITY (List all locations where animals were housed or used in actual research, testing, or experimentation, or held for these purposes. Attach additional sheets if necessary)

FACILITY LOCATIONS (Sites) - See Atached Listing

REPORT OF ANIMALS USED BY OR UNDER CONTROL OF RESEARCH FACILITY (Attach additional sheets if necessary or use APHIS Form 7023A)						
A. Animals Covered By The Animal Welfare Regulations	B. Number of animals being bred, conditioned, or held for use in teaching, testing, expenments, research, or surgery but not ye	C. Number of animals upon which teaching, research, experiments, or tests were conducted involving no pain, distress, or use of pain-relieving drugs.	D. Number of animals upon which experiments, teaching, research, surgery, or tests were conducted involving accompanying pain or distress to the animals and for which appropriate anesthetic, a	E. Number of animals upon which teaching, experiments, research, surgery or tests were conducted involving accompanying pain or distress to the animals and for which the use of appropriate anesthetic, analgesic, or tranquilizing drugs would have adversely affected the procedures, results, or interpretation of the teaching, research, experiments, surgery, or tests. (An explanation of the procedures producing pain or distress in these animals and the reasons such drugs were not used must be attached to	F. TOTAL NUMBER OF ANIMALS (COLUMNS C + D + E)	
4. Dogs	5		1		6	
5. Cats						
6. Guinea Pigs						
7. Hamsters						
8. Rabbits						
9. Non-human Primate	5				5	
10. Sheep						
11. Pigs						
12. Other Farm Animals						
13. Other Animals						
					Ť.	

ASSURANCE STATEMENTS

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CERTIFICATION BY HEADQUARTERS RESEARCH FACILITY OFFICE	ΑL
(Chief Executive Officer or Legally Responsible Institutional Official)	

SIGNATURE OF C.E.O. OR INSTITUTIONAL OFFICIAL

NAME & TITLE OF C.E.O. OR INSTITUTIONAL OFFICIAL (Type or Print

Executive Drector

APHIS Form 7023 Site List

The following sites have been reported by the facility.

Registration Number:

16-R-0003

Customer Number:

49

Facility:

WESLEYAN UNIVERSITY

OFFICE OF ACADEMIC AFFAIRS

MIDDLETOWN, CT 06459

(203) 685-2010

WESLEYAN UNIVERSITY

SHANKHXKAB HALL-ATWATER & SHANKLIN LABS, JUDD HALL

MIDDLETOWN, CT 06459